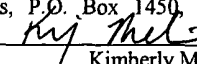


CERTIFICATE OF EXPRESS MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under CFR § 1.10 on the date indicated below and is addressed to: Mail Stop PATENT APPLICATION Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on June 27, 2003. Signed: 
Kimberly Melvin

PATENT**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

ROBERT J. LIPSHUTZ et al.

Application No.: Unassigned

Filed: Herewith

For: POLYMORPHISM DETECTION

Atty. Docket No.: AFFYP016C2

Examiner: J. Riley

Group: 1656

Date: June 27, 2003

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §§1.56 AND 1.97(c)

Mail Stop PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450


Dear Sir:

The references listed in the attached PTO Form 1449 may be material to examination of the above-identified patent application. Applicants submit the list of these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application. The above-identified application is a Continuation of prior application U.S. Patent Application No. 08/853,370. This prior application is being relied upon for an earlier filing date under 35 U.S.C. § 120. Because the listed references were either cited by the PTO, or submitted to the PTO in the prior application, under 37 CFR § 1.98(d) Applicants submit that copies need not be provided.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is being filed within three (3) months of the filing date of the above-referenced application. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 50-1652 (Order No. AFFYP016C2).

Respectfully submitted,


Michael J. Ritter
Reg. No. 36,653

RITTER, LANG & KAPLAN LLP
12930 Saratoga Ave., Suite D1
Saratoga, CA 95070
Tel: (408) 446-8690 Fax: (408) 446-8691

| | | |
|--|------------------|---------------------------|
| Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary) | Atty Docket No. | AFFYP016C1 |
| | Application No.: | Unassigned |
| | Inventor | ROBERT J. LIPSHUTZ et al. |
| | Group | 1656 |
| | Filing Date | August 23, 2001 |

| | | |
|--|------------------|--------------------|
| Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary) | Atty Docket No. | AFFYP016C2 |
| | Application No.: | Unassigned |
| | Inventor | ROBERT J. LIPSHUTZ |
| | Group | 1656 |
| | Filing Date | Herewith |

U.S. Patent Documents

| Examiner Initial | No. | Patent No. | Date | Patentee | Class | Sub-class | Filing Date |
|------------------|-----|------------|----------|---------------------|-------|-----------|-------------|
| | 1 | 5,002,867 | 03/26/91 | Macevicz | 435 | 6 | |
| | 2 | 5,089,386 | 2/1992 | Stackebrandt et al. | 435 | 6 | |
| | 3 | 5,143,854 | 09/01/92 | Pirrung et al. | 436 | 518 | |
| | 4 | 5,202,231 | 04/13/93 | Drmanac | 435 | 6 | |
| | 5 | 5,242,974 | 09/07/93 | Holmes | 525 | 54.11 | |
| | 6 | 5,252,743 | 10/12/93 | Barrett et al. | 548 | 303.7 | |
| | 7 | 5,264,565 | 11/23/93 | England et al. | 536 | 234 | |
| | 8 | 5,270,170 | 12/14/93 | Schatz et al. | 435 | 7.37 | |
| | 9 | 5,302,707 | 04/12/94 | Campbell et al. | 536 | 25.33 | |
| | 10 | 5,324,633 | 06/28/94 | Fodor et al. | 435 | 6 | |
| | 11 | 5,338,665 | 08/16/94 | Schatz et al. | 435 | 6 | |
| | 12 | 5,359,115 | 10/25/94 | Campbell et al. | 558 | 110 | |
| | 13 | 5,362,899 | 11/08/94 | Campbell | 558 | 108 | |
| | 14 | 5,384,261 | 01/24/95 | Winkler et al. | 436 | 518 | |
| | 15 | 5,405,783 | 04/11/95 | Pirrung et al. | 436 | 518 | |
| | 16 | 5,412,087 | 05/02/95 | McGall et al. | 536 | 24.3 | |
| | 17 | 5,420,328 | 05/30/95 | Campbell | 558 | 110 | |
| | 18 | 5,424,186 | 06/13/95 | Fodor et al. | 435 | 6 | |
| | 19 | 5,427,908 | 06/27/95 | Dower et al. | 435 | 5 | |
| | 20 | 5,432,018 | 07/11/95 | Dower et al. | 435 | 5 | |
| | 21 | 5,445,934 | 08/29/95 | Fodor et al. | 435 | 6 | |
| | 22 | 5,451,683 | 09/19/95 | Barrett et al. | 548 | 302.7 | |
| | 23 | 5,482,867 | 01/09/96 | Barrett et al. | 436 | 518 | |
| | 24 | 5,489,678 | 02/06/96 | Fodor et al. | 536 | 22.1 | |
| | 25 | 5,491,074 | 02/13/96 | Aldwin et al. | 435 | 69.7 | |
| | 26 | 5,498,530 | 03/12/96 | Schatz et al. | 435 | 69.1 | |
| | 27 | 5,503,805 | 04/02/96 | Sugarman et al. | 422 | 131 | |
| | 28 | 5,510,270 | 04/23/96 | Fodor et al. | 436 | 518 | |
| | 29 | 5,527,670 | 06/18/96 | Stanley | | | |
| | 30 | 5,527,681 | 06/18/96 | Holmes | 435 | 6 | |
| | 31 | 5,541,061 | 07/30/96 | Fodor et al. | 435 | 6 | |
| | 32 | 5,545,531 | 08/13/96 | Rava et al. | 435 | 6 | |
| | 33 | 5,547,839 | 08/20/96 | Dower et al. | 435 | 6 | |
| | 34 | 5,550,215 | 08/27/96 | Holmes | 530 | 334 | |

| | | |
|--|------------------|---------------------------|
| Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary) | Atty Docket No. | AFFYP016C1 |
| | Application No.: | Unassigned |
| | Inventor | ROBERT J. LIPSHUTZ et al. |
| | Group | 1656 |
| | Filing Date | August 23, 2001 |

| | | | | | | | |
|--|----|-----------|----------|-----------------|-----|-------|--|
| | 35 | 5,556,752 | 09/17/96 | Lockhart et al. | 435 | 6 | |
| | 36 | 5,571,639 | 11/05/96 | Hubbell et al. | 430 | 5 | |
| | 37 | 5,578,832 | 11/26/96 | Trulson et al. | 250 | 458.1 | |
| | 38 | 5,593,839 | 01/14/97 | Hubbell et al. | 435 | 6 | |
| | 39 | 5,599,695 | 02/04/97 | Pease et al. | 435 | 91.1 | |
| | 40 | 5,607,832 | 03/04/97 | Stanley et al. | 435 | 6 | |
| | 41 | 5,624,711 | 04/29/97 | Sundberg et al. | 427 | 261 | |
| | 42 | 5,631,734 | 05/20/97 | Stern et al. | 356 | 317 | |
| | 43 | 5,690,894 | 11/25/97 | Pinkel et al. | 422 | 68.1 | |
| | 44 | 5,795,716 | 08/18/98 | Chee et al. | 435 | 6 | |

Foreign Patent or Published Foreign Patent Application

| Examiner Initial | No. | Document No. | Publication Date | Country or Patent Office | Class | Sub-class | Translation | |
|------------------|-----|--------------|------------------|--------------------------|-------|-----------|-------------|----|
| | | | | | | | Yes | No |
| | 45 | 89/10977 | 11/16/89 | WIPO | | | X | |
| | 46 | 90/15070 | 12/13/90 | WIPO | | | X | |
| | 47 | 91/07087 | 05/30/91 | WIPO | | | X | |
| | 48 | 2,036,946 | 10/07/91 | Canada | | | X | |
| | 49 | 92/04470 | 03/19/92 | WIPO | | | X | |
| | 50 | 92/10092 | 06/25/92 | WIPO | | | X | |
| | 51 | 92/10588 | 06/25/92 | WIPO | | | X | |
| | 52 | 93/09668 | 05/27/93 | WIPO | | | X | |
| | 53 | 93/10161 | 05/27/93 | WIPO | | | X | |
| | 54 | 93/15224 | 08/05/93 | WIPO | | | X | |
| | 55 | 93/22694 | 11/11/93 | WIPO | | | X | |
| | 56 | 94/10128 | 05/11/94 | WIPO | | | X | |
| | 57 | 94/28173 | 12/08/94 | WIPO | | | X | |
| | 58 | 95/00530 | 01/05/95 | WIPO | | | X | |
| | 59 | 95/11995 | 05/04/95 | WIPO | | | X | |
| | 60 | 95/22058 | 08/17/95 | WIPO | | | X | |
| | 61 | 95/25177 | 09/21/95 | WIPO | | | X | |
| | 62 | 95/33846 | 12/14/95 | WIPO | | | X | |
| | 63 | 97/23357 | 01/23/97 | WIPO | | | X | |
| | 64 | 97/10365 | 03/20/97 | WIPO | | | X | |
| | 65 | 97/12063 | 04/03/97 | WIPO | | | X | |
| | 66 | 97/27317 | 07/31/97 | WIPO | | | X | |
| | 67 | 97/29212 | 08/14/97 | WIPO | | | X | |

Other Documents

| Examiner Initial | No. | Author, Title, Date, Place (e.g. Journal) of Publication |
|------------------|-----|---|
| | 65 | Brenner et al. "DNA fingerprinting by sampled sequencing" Proc. Natl. Acad. Sci. USA 86:8902-8906. (1989) |

| | |
|--|---|
| Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary) | Atty Docket No. AFFYP016C1 Application No.: Unassigned Inventor ROBERT J. LIPSHUTZ et al. Group 1656 Filing Date August 23, 2001 |
|--|---|

| | |
|----|---|
| 68 | Fodor et al. "Light-Directed, Spatially Addressable Parallel Chemical Synthesis" Science 251:767-777. (1991) |
| 69 | Hoheisel "Application of hybridization techniques to genome mapping and sequencing" Trends in Genetics 10(3):79-83. (1994) |
| 70 | Hotelling, Harold "Analysis of a Complex of Statistical Variables into Principal Components," The Journal of Educational Psychology, Volume 26, pp. 417-441. (1933) |
| 71 | Hotelling, Harold "Analysis of a Complex of Statistical Variables into Principal Components," The Journal of Educational Psychology, Volume 26, pp. 498-520. (1933) |
| 72 | Hotelling, Harold "Simplified Calculation of Principal Components," Psychometrika, Volume 1, Number 1, pp. 27-35. (1936) |
| 73 | Pearson, Karl "On lines and Planes of Closest Fit to Systems of Points in Space," in The London, Edinburgh, and Dublin Philosophical Magazine and Journal of Science, Volume 2, Sixth Series, July-December 1901, pp. 559-572. (1901) |
| 74 | Pease et al. "Light-generated oligonucleotide arrays for rapid DNA sequence analysis" Proc. Natl. Acad. Sci. USA 91:5022-5026. (1994) |
| 75 | Sapolsky et al. "Mapping genomic library clones using oligonucleotide arrays" Hilton Head Conference, So. Carolina. (Sept. 17-21, 1994) |
| 76 | Smith "Ligation-mediated PCR of restriction fragments from large DNA molecules" PCR Methods and Applications 2:21-27. (1992) |
| 77 | Szybalski et al. "Class-IIs restriction enzymes: A review" Gene 100:13-26. (1991) |
| 78 | Szybalski "Universal restriction endonucleases: Designing novel cleavage specificities by combining adapter oligo-deoxynucleotide and enzyme moieties" Gene 40:169-173. (1985) |
| 79 | Unrau et al. "Non-cloning amplification of specific DNA from whole genomic DNA digests using DNA indexers" Gene 145:163-169. (1994) |
| 80 | Matthews et al. "Review. Analytical Strategies for the Use of DNA Probes" Analytical Biochemistry, Vol. 169, pp. 1-25. (1988) |
| 81 | Southern et al. "Analyzing and comparing nucleic acid sequences by hybridization to arrays of oligonucleotides: Evaluation using experimental models" Genomics Vol. 13, pp. 1008-1017. (1992) |
| 82 | Lipshutz et al. "Using oligonucleotide probe arrays to access genetic diversity" Biotechniques, Vol. 19, No. 3, pp. 442-447. (1995) |

| | |
|----------|-----------------|
| Examiner | Date Considered |
|----------|-----------------|

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.